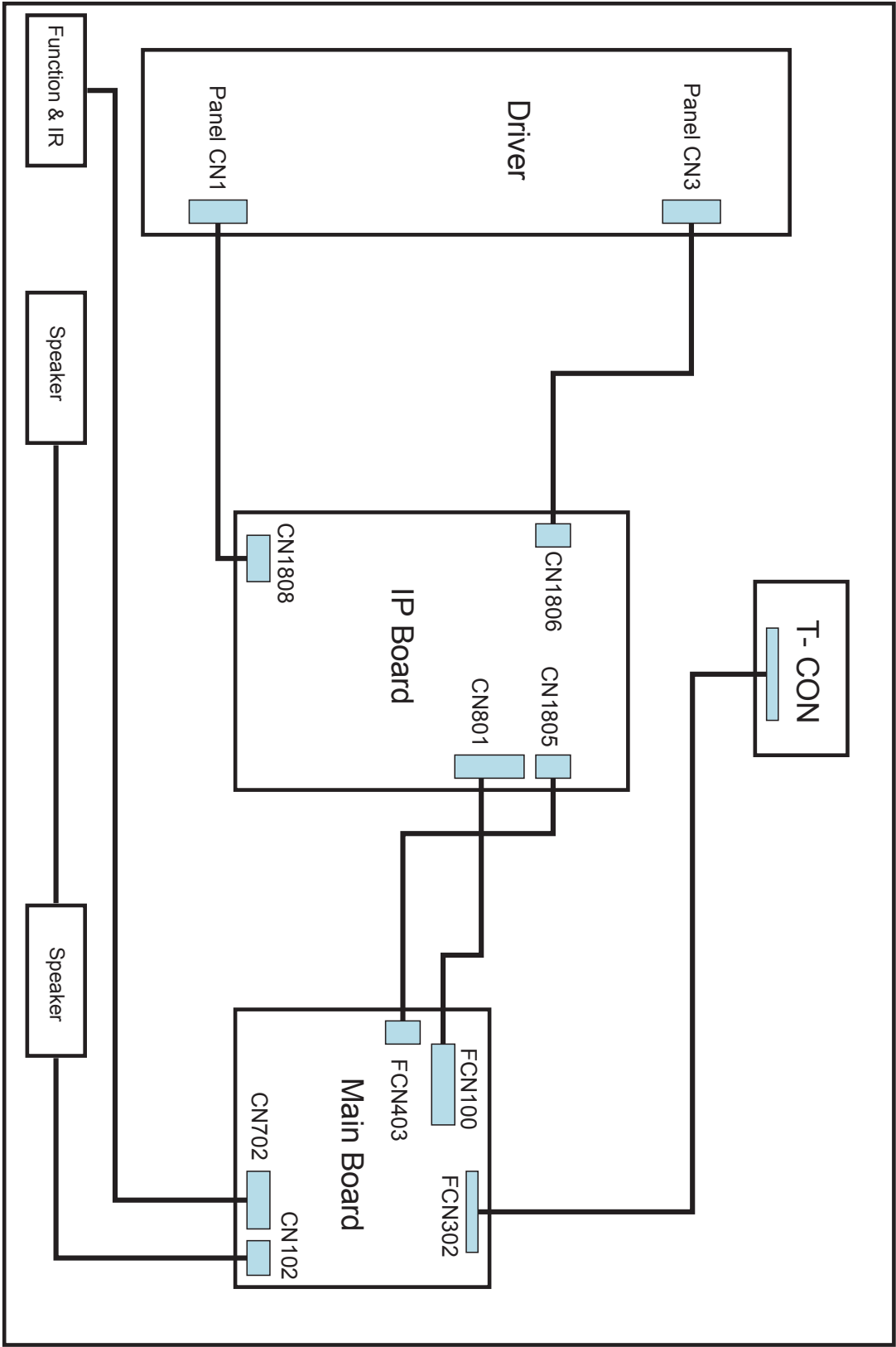
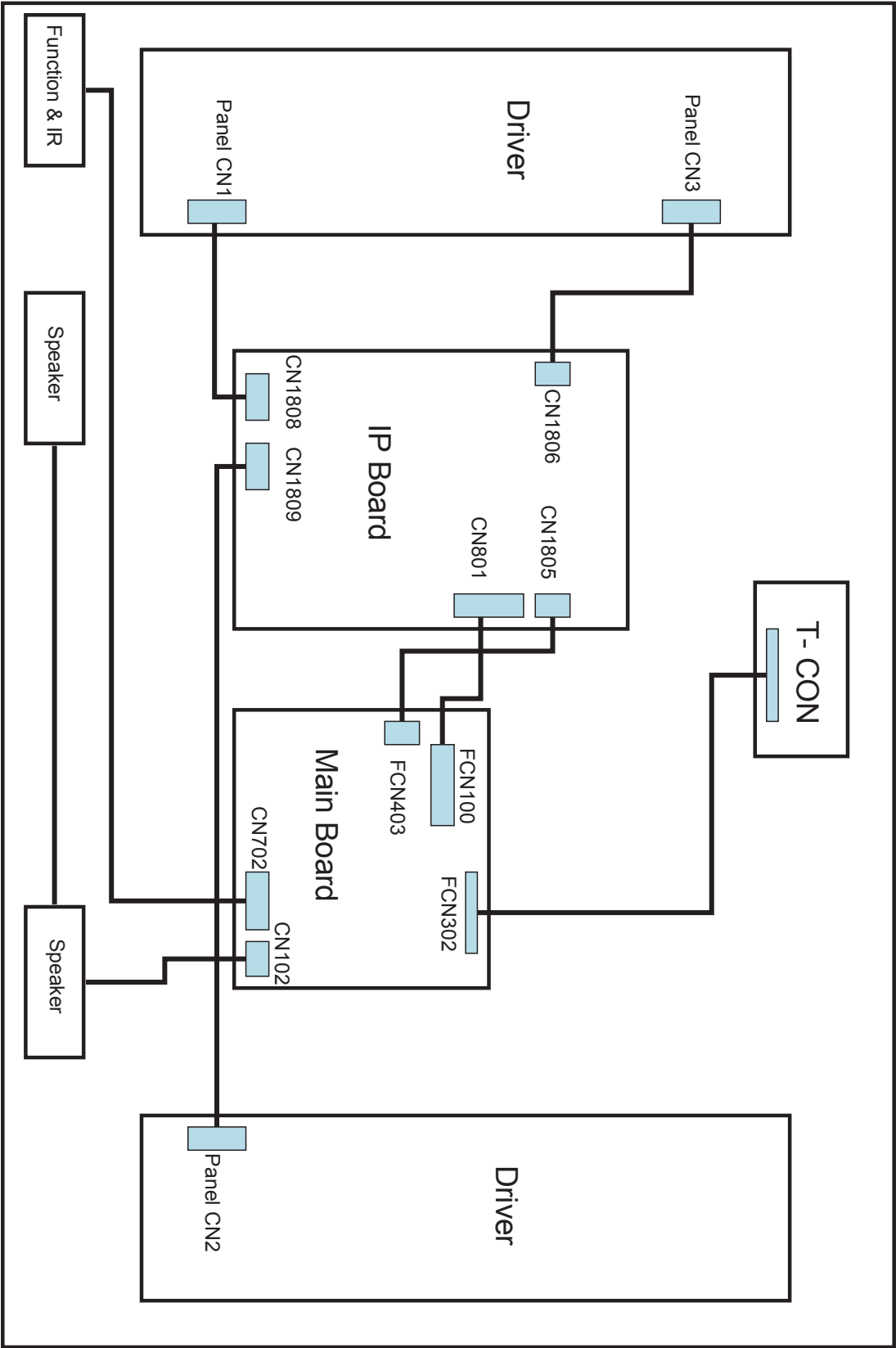


6. Wiring Diagram

6-1. Wiring Diagram 40”



6-2. Wiring Diagram 46”



FCN302 (to Panel)			
1	NC	27	EVEN[0]-
2	NC	28	GND
3	NC	29	NC
4	NC	30	NC
5	NC	31	ODD[3]+
6	NC	32	ODD[3]-
7	LVDS opt	33	GND
8	SDA_Panel	34	ODDCLK+
9	W/P(T_Con)	35	ODDCLK-
10	NC	36	GND
11	SDA_Panel	37	ODD[2]+
12	SCL_Panel	38	ODD[2]-
13	GND	39	ODD[1]+
14	NC	40	ODD[1]-
15	NC	41	ODD[0]+
16	EVEN[3]+	42	ODD[0]-
17	EVEN[3]-	43	GND
18	GND	44	GND
19	EVENCLK+	45	GND
20	EVENCLK-	46	NC
21	GND	47	Panel_VCC
22	EVEN[2]+	48	Panel_VCC
23	EVEN[2]-	49	Panel_VCC
24	EVEN[1]+	50	Panel_VCC
25	EVEN[1]-	51	Panel_VCC
26	EVEN[0]+		

FCN901 (HDMI1)	
1	HDMI1_RX2+ 12
2	GND
3	HDMI1_RX2-
4	HDMI1_RX1+ 15
5	GND
6	HDMI1_RX1-
7	HDMI1_RX0+ 18
8	GND
9	HDMI1_RX0-
10	HDMI1_RXCLK+
11	GND

FCN960 (HDMI2)	
1	HDMI2_RX2+ 12
2	GND
3	HDMI2_RX2-
4	HDMI2_RX1+ 15
5	GND
6	HDMI2_RX1-
7	HDMI2_RX0+ 18
8	GND
9	HDMI2_RX0-
10	HDMI2_RXCLK+
11	GND

CN904 (PC sound)	
1	GND
2	PC_SR_IN
3	PC_SL_IN
4	PC_SL_IN
5	PC_SL_IN
6	PC_SR_IN
7	PC_SR_IN

CN102 (to Speaker)	
1	R+
2	R-
3	L+
4	L-

CN850 (to USB)	
1	USB VCC
2	USBN 2.0
3	USBP 2.0
4	GND

CN801	
1	GND
2	VIDEO_IDENT
3	VIDEO_CVBS
4	GND
5	VIDEO_SR_IN
6	VIDEO_SL_IN
7	GND
8	VIDEO_SL_IN
9	VIDEO_SR_IN

FCN100(to Power board)			
1	H-SYNC	13	B5V
2	SW_POWER	14	B5V
3	GND	15	B5V
4	A5V	16	B5V
5	GND	17	GND
6	GND	18	GND
7	B12V	19	GND
8	B12V	20	B13V
9	GND	21	B13V
10	GND	22	B13V
11	GND	23	NC
12	GND	24	NC

FCN901 (HDMI3)	
1	HDMI3_RX2+ 12
2	GND
3	HDMI3_RX2-
4	HDMI3_RX1+ 15
5	GND
6	HDMI3_RX1-
7	HDMI3_RX0+ 18
8	GND
9	HDMI3_RX0-
10	HDMI3_RXCLK+
11	GND

CN706	
1	GND
2	DVI_SR_IN
3	DVI_SL_IN
4	GND
5	DVI_SL_IN
6	DVI_SR_IN

FCN403(to Power board)			
1	SW_INVERTER	4	GND
2	ANA_DIMMING_OUT	5	DET_5V
3	PWM_DIMMING_OUT		

CN702 (to Function IR)			
1	IR	6	KEY_1
2	GND	7	KEY_2
3	A5V	8	GND
4	LED_INDICATOR	9	SDA
5	BUZZER	10	LED_Control

CN903 (PC)	
1	PC_RED
2	PC_GREEN
3	PC_BLUE
4	GND
5	GND
6	GND
7	GND
8	GND
9	PC_5V
10	PC_IDENT
11	GND
12	EMU_SDA
13	PC_H_SYNC
14	PC_V_SYNC
15	EMU_SCL

CN707	
1	GND
2	MONITOR_SL_OUT
3	MONITOR_SL_OUT
4	GND
5	MONITOR_SR_OUT
6	MONITOR_SR_OUT

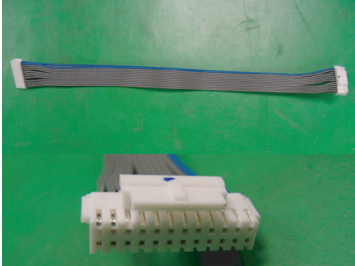
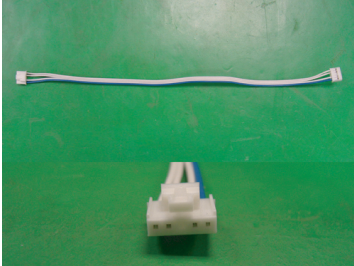
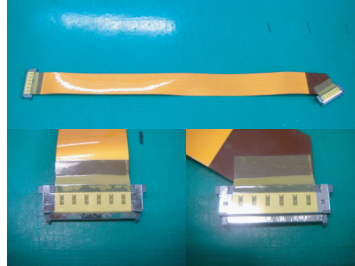

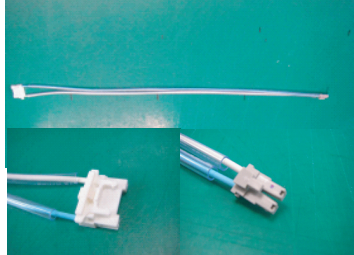
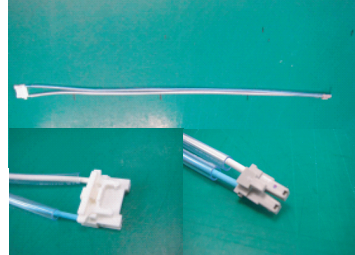
CN708	
1	GND
2	COMP_SR_IN
3	COMP_SL_IN
4	GND
5	COMP_SL_IN
6	COMP_SR_IN

CN709	
1	GND
2	COMP_IDENT
3	COMP_Y_CVBS
4	GND
5	COMP_PB
6	COMP_PB
7	GND
8	COMP_PR
9	COMP_PR

6-3. Connector Functions

Connector	Functions
FCN100 <-> CN801	Supply Main power from IP board to main board.
FCN403 <-> CN1805	Supply dimming power from IP board to main board.
FCN302 <-> TCON	The LVDS signal transferred from Main Board to TCON.
CN1806 <-> Panel CN3	Feedback signal from driver.
CN1808 <-> Panel CN1	Supply power from IP board to Driver Board(left).
CN1809 <-> Panel CN2	Supply power from IP board to Driver Board(right).

6-4. Cables

Use	Main IP (24P)	Main IP (5P)	Main - TCON
Code	40"/46" BN39-00802G (250mm)	40"/46" BN39-00918C (250mm)	46" BN96-10074A (450mm)
Photo			
Use	Main - TCON	IP - BalanceBD(L) (2P)	IP - BalanceBD(R) (2P)
Code	40" BN96-07161C(650mm)	40" BN39-01021A (400mm) 46" BN39-01024A (350mm)	46" BN39-01020A (700mm)
Photo			
Use	IP - BalanceBD (7P)		
Code	40" BN39-00830C (400mm) 46" BN39-00830A (300mm)		
Photo	